

Chasm FC

Date: 11/25/2020

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name Chasm FC

Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance/Mixture Specific use(s): Fertilizer Catalyst

Details of the supplier of the safety data sheet

Company Ag Plus Cooperative
1100 E. Main Street
Marshall, MN 56258
Telephone number: 1-507-532-9686

Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls).

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not regulated under the OSHA Hazard Communication Standard, 29 CFR 1910.1200
Product is not hazardous.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

*Proprietary blend of beneficial microbials in a stable solution or powder

Mixture

Bacillus coagulans
Bacillus licheniformis
Streptomyces rimosus
Streptomyces violascens
Thermobacillus composti
Thiobacillus ferrooxidans
Pseudomonas putida
Roodopseduomonas capsulatus

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

IF SWALLOWED:

- Call a poison control center or doctor if feeling unwell. Rinse mouth.
- Do not give anything to drink.
- Do not induce vomiting without medical advice.
- Do not give anything by mouth to an unconscious person.

IF IN EYES:

- Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If irritation persists, call a poison control center or doctor for treatment advice.

IF ON SKIN:

- Wash skin immediately with clean water and soap.
- If irritation occurs, call a poison control center or doctor for treatment advice.
- Take off contaminated clothing and wash it before reuse.

IF INHALED:

- Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor if feeling unwell.
- If person is not breathing call 911 and give CPR (cardio-pulmonary resuscitation).

5. FIREFIGHTING MEASURES

Not flammable or combustible. Not hazardous

Flash Point: N/A

Extinguishing Media

Suitable extinguishing media N/A

Unsuitable extinguishing media N/A

Special hazards arising from the substance of mixture

Specific hazards during fire fighting N/A

Advice for firefighters

Special protective equipment for firefighters N/A

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures N/A

Environmental precautions

Environmental precautions N/A

Steps to be Taken in Case Material is Released or Spilled

Sweep up spill and dispose of product. No special restrictions on disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep containers closed when not in use to prevent contamination of the product and minimize risk of spills. Use good industrial hygiene practices. **Store in a cool, dry area. Do not allow to freeze and keep out of direct sunlight for extended periods of time.** This material is not considered a hazardous material under the RCRA and may be disposed of in landfills or sanitary services.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

Exposure controls

Control measures

Engineering measures

N/A

Personal protective equipment

Respiratory protection

N/A

Hand protection

Latex or no latex gloves recommended but not required

Eye protection

Safety goggles recommended but not required

Skin and body protection

Good skin protection recommended but not required

Hygiene measures

Good industrial hygiene practices recommended

Protective measures

Long sleeved clothing, long pants and closed toed shoes are recommended. The use of a filtered mask is recommended but not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Information on basic physical and chemical properties

Appearance

Brown powder

Odor

Musty smell

Odor Threshold	No data available
pH	No data available
Melting point/range	No data available
Flash point	No data available
Evaporation rate (butylacetate = 1)	No data available
Flammability (solid, gas)	No data available
Flammability (liquids)	No data available
Flammability/Explosive limit	No data available
Autoignition temperature	No data available
Vapor pressure	No data available
Vapor density	No data available
Bulk density (g/cm ³)	.64
Specific gravity (H ₂ O=1)	No data available
Solubility	Water Solubility: Almost 100%
Partition coefficient: n-octanol/water	No data available
Thermal decomposition	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other Information

Product is non-hazardous

10. STABILITY AND REACTIVITY

The product is stable. Maintain in properly vented containers. Hazardous polymerization will not occur. No known conditions to avoid. Protect from freezing and extended periods of direct sunlight to maintain product integrity.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:
N/A

12. ECOLOGICAL INFORMATION

The product is readily biodegradable in the natural environment. Spillage may result in a biological oxygen demand. Organisms in the product are naturally occurring in soil.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Sweep up spill and dispose of product. No special restrictions on disposal. This material is not considered a hazardous material under the RCRA and may be disposed if in landfills or sanitary services.

14. TRANSPORT INFORMATION

DOT:
Not regulated.

TDG:
Not regulated.

IMDG
Not regulated.

IATA
No regulated.

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

Not regulated, non-hazardous.

Microorganisms exempt from CDR requirements – 40 CFR 725:

*All microbials are considered naturally-derived, nonpathogenic, non-toxic, non-GMO, non-hazardous and non-corrosive.

*All microorganisms are not considered to be pathogenic for livestock or poultry.

16. OTHER INFORMATION

NFPA Hazard Rating: Health – 0; Flammability – 0; Instability – 0

HMIS Rating: Health – 0; Flammability – 0; Reactivity – 0

Further information

Date updated 11/25/2020

Disclaimer:

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.